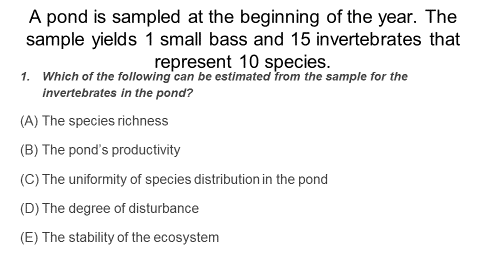
**Monday January 13, 2020**

APES: Week 1 Day 91

**Standard:** Chapter 11

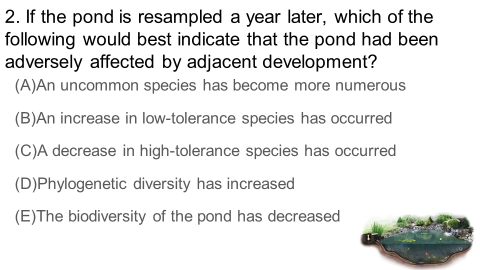
**Learning Target**: Understand the benefits of biodiversity, the threats to biodiversity and possible methods to protect biodiversity.

**Essential Questions:** Why is biodiversity important?

**Agenda:**

1) Biodiversity Practice Questions

2) Ch. 11 PPT

****

**Tuesday January 14, 2020**

APES: Week 1 Day 92

**Standard:** Chapter 11

**Learning Target**: Understand the benefits of biodiversity, the threats to biodiversity and possible methods to protect biodiversity.

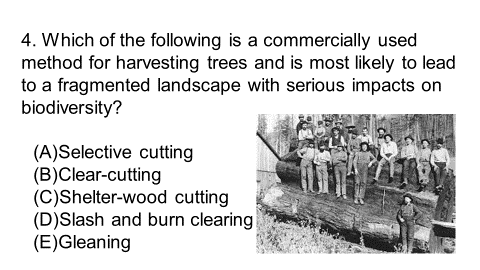
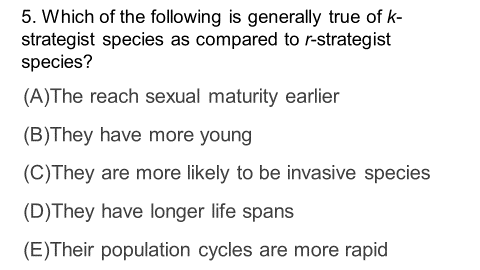
**Essential Questions:** Why is biodiversity important?

**Agenda:**

1) Biodiversity Practice Questions

2) Schedule AP reviews

3) Ch. 11 PPT

****

**Wednesday January 15, 2020**

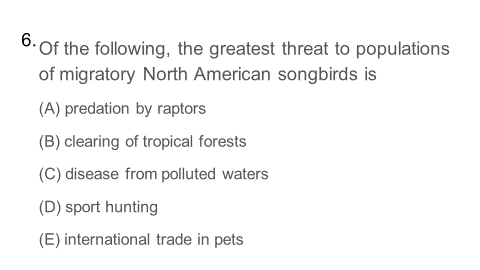
APES: Week 1 Day 93

**Standard:** Chapter 11

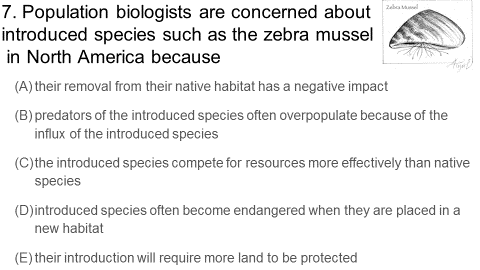
**Learning Target**: Understand the benefits of biodiversity, the threats to biodiversity and possible methods to protect biodiversity.

**Essential Questions:** Why is biodiversity important?

**Agenda:**

1) Biodiversity Practice Questions:

2) Ch. 11 PPT



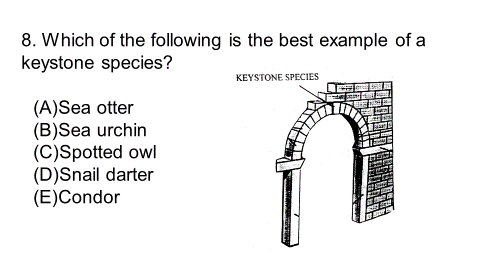
**Thursday January 16, 2020**

APES: Week 1 Day 94

**Standard:** Chapter 11

**Learning Target**: Understand the benefits of biodiversity, the threats to biodiversity and possible methods to protect biodiversity.

**Essential Questions:** Why is biodiversity important?

**Agenda:**

1) Biodiversity Practice Questions:

2) Ch. 11 PPT

3) FRQ (biodiversity)



**Friday January 17, 2020**

APES: Week 1 Day 95

**Standard:** Chapter 11

**Learning Target**: Understand the benefits of biodiversity, the threats to biodiversity and possible methods to protect biodiversity.

**Essential Questions:** Why is biodiversity important?

**Agenda:**

1) Rank student writing samples

2) Score FRQ’s (annotate)

**Tuesday January 21, 2020**

APES: Week 2 Day 96

**Standard:** Chapter 12

**Learning Target**: Understand the factors necessary to plan land-use through creating a “rose” diagram and through discussing slides from chapter 12.

**Essential Questions:** What factors are necessary to plan land-use?

**Agenda:**

1) Rose Diagram

2) Ch. 12 PPT

**Wednesday January 22, 2020**

APES: Week 2 Day 97

**Standard:** Chapter 12

**Learning Target**: Understand the factors necessary to plan land-use through discussing slides from chapter 12.

**Essential Questions:** What factors are necessary to plan land-use?

**Agenda:**

1) Ch. 12 PPT

**Thursday January 23, 2020**

APES: Week 2 Day 98

**Standard:** Chapter 12

**Learning Target**: Demonstrate understanding of vocabulary related to land-use by scoring well on a quiz. Understand the factors necessary to plan land-use through discussing slides from chapter 12.

**Essential Questions:** What factors are necessary to plan land-use?

**Agenda:**

1) Ch. 12 Vocab Quiz

2) Ch. 12 PPT (start with video)

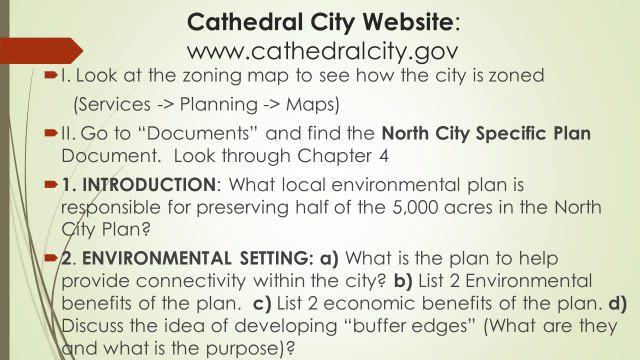
**Friday January 24, 2020**

APES: Week 2 Day 99

**Standard**: Chapter 12 (Land-use Planning)

**Learning Target**: Discuss land use planning and explore the Cathedral City Website to determine zoning etc.

**Essential Questions:** How should cities be designed?

1)

2) Chapter 12 PPT

**Monday January 27, 2020**

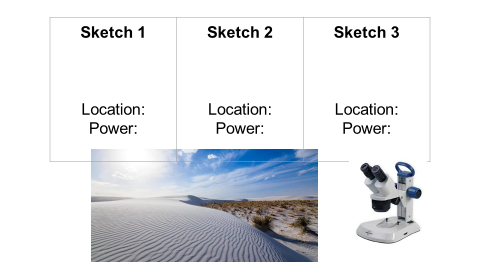
APES: Week 3 Day 100

**Standard**: Chapter 12 (Land-use Planning)/Ch. 13 Soil

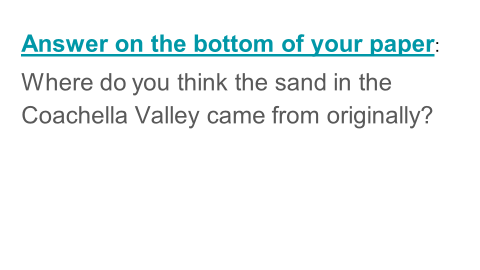
**Learning Target**: Discuss land-use planning and compare sand samples under the microscope to determine origin.

**Essential Questions:** How should cities be designed?

**Agenda:**

1) Ch. 12 PPT (finish)

2) Sand Lab:



**Tuesday January 28, 2020**

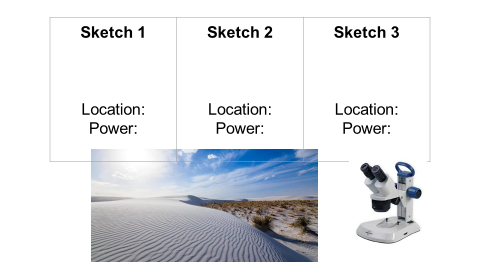
APES: Week 3 Day 101

**Standard**: Chapter 12 (Land-use Planning)/Ch. 13 Soil

**Learning Target**: Discuss land-use planning and compare sand samples under the microscope to determine origin.

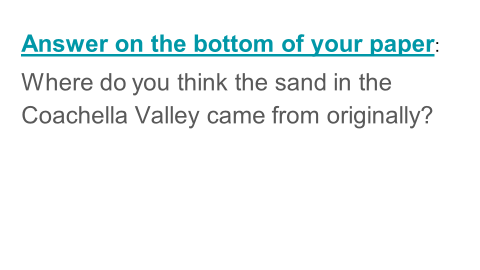
**Essential Questions:** How should cities be designed?

**Agenda:**

1) Panorama Survey

2) Sand Lab:

3) Ch. 13 PPT



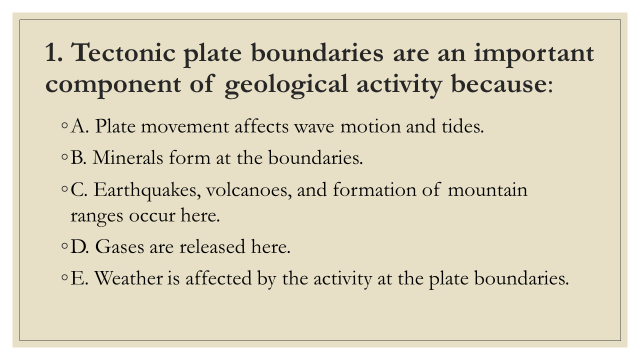
**Wednesday January 29, 2020**

APES: Week 3 Day 102

**Standard**: Ch. 13 Soil

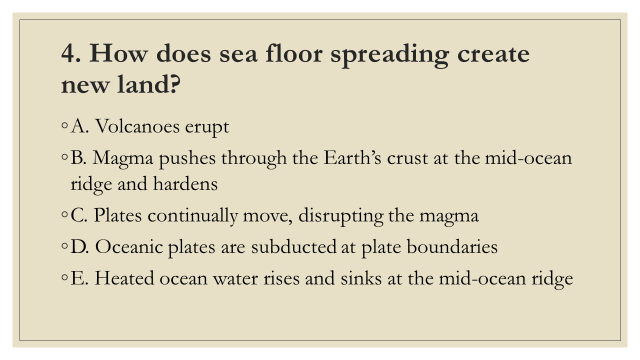
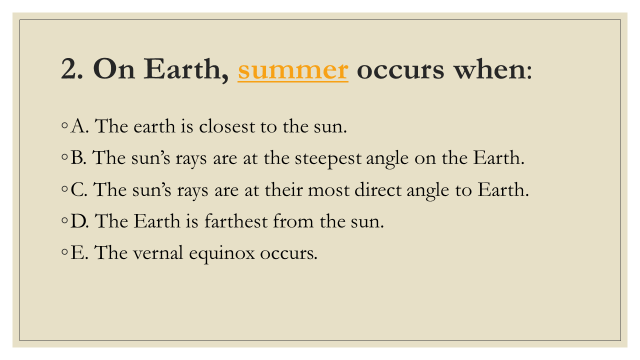
**Learning Target**: Answer review questions to determine prior knowledge and discuss slides about soil.

**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Practice questions

2) Ch. 13 PPT



**Thursday January 30, 2020**

APES: Week 3 Day 103

**Standard**: Ch. 13 Soil

**Learning Target**: Answer review questions to determine prior knowledge and discuss slides about soil.

**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Ch. 13 Vocab (Part 1)

2) Ch. 13 PPT

**Friday January 31, 2020**

APES: Week 3 Day 104

**Standard**: Ch. 13 Soil

**Learning Target**: Research plate boundaries and discuss slides about soil.

**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Plate Boundaries (assignment)

2) Ch. 13 PPT

**Monday February 3, 2020**

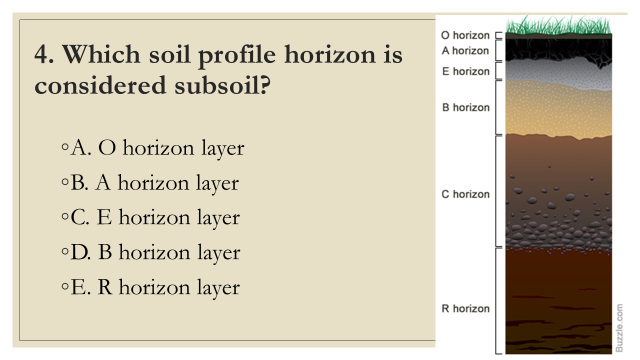
APES: Week 4 Day 105

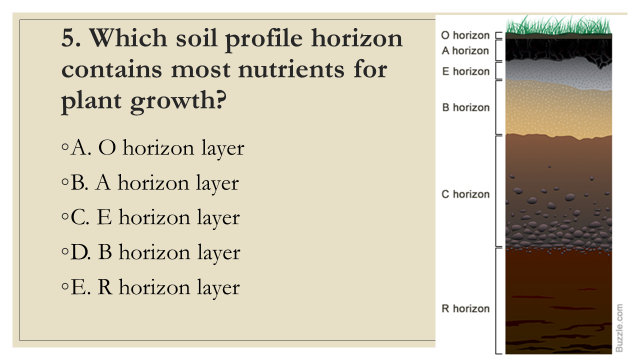
**Standard**: Ch. 13 Soil

**Learning Target**: Answer review questions about soil, discuss information (slides) about soil and its management and write key information about plant nutrients to prepare for a lab.

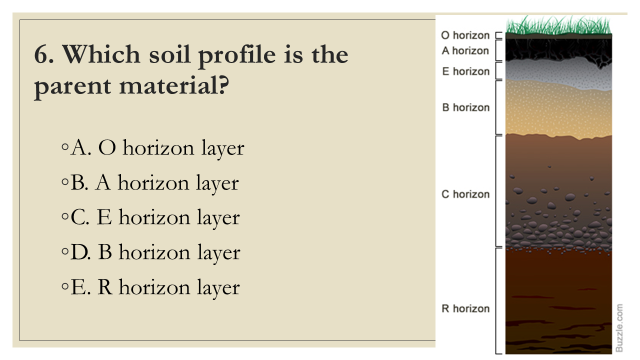
**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Review questions:

2) Ch. 13 PPT

3) Plant nutrients (add to lab)



**Tuesday February 4, 2020**

APES: Week 4 Day 106

**Standard**: Ch. 13 Soil

**Learning Target**: Test soil samples for macronutrients and pH levels and discuss information (slides) about soil and its management.

**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Soil testing (Soil Nutrients Lab)

2) Ch. 13 PPT

**Wednesday February 5, 2020**

APES: Week 4 Day 107

**Standard**: Ch. 13 Soil

**Learning Target**: Answer review questions and return papers.

**Essential Questions:** How does soil form and why is it important?

**Agenda:**

1) Return papers

2) Review questions (soil triangle)

**Thursday February 6, 2020**

APES: Week 4 Day 108

**Standard**: Ch. 13 Soil

**Learning Target**: Demonstrate understanding of soil vocabulary and agricultural methods to reduce erosion by scoring well on a quiz. Discuss soil conservation methods.

**Essential Questions:** How can soil be conserved?

**Agenda:**

1) Review questions (soil conservation methods)

2) Ch. 13 vocab (part 2)

3) Ch. 13 PPT

**Friday February 7, 2020**

APES: Week 4 Day 109

**Standard**: Ch. 13 Soil

**Learning Target**: Discuss soil conservation methods.

**Essential Questions:** How can soil be conserved?

**Agenda:**

1) Chapter 14 PPT

2) Green Revolution reading/study guide

3) Assign Salinization paragraphs

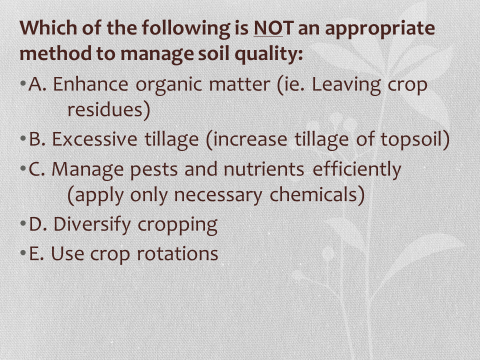
**Monday February 10, 2020**

APES: Week 5 Day 110

**Standard**: Ch. 14 Agriculture

**Learning Target**: Discuss salinization and agricultural methods.

**Essential Questions:** What is salinization?

**Agenda:**

1) Review question:

2) Quick share-out (salinization paragraphs)

3) Ch. 14 PPT

**Tuesday February 11, 2020**

APES: Week 5 Day 111

**Standard**: Ch. 14 Agriculture

**Learning Target**: Practice test questions collaboratively by participating in a Kahoot! Discuss agricultural methods while looking over PowerPoint slides.

**Essential Questions:** What are different types of pesticides?

**Agenda:**

1) Ch. 14 PPT

**Wednesday February 12, 2020**

APES: Week 5 Day 112

**Standard**: Ch. 14 Agriculture

**Learning Target**: Practice test questions collaboratively by participating in a Kahoot! Discuss agricultural methods while looking over PowerPoint slides.

**Essential Questions:** What are different types of pesticides?

**Agenda:**

1) Kahoot (Ch. 13/14) Review 1

2) Ch. 14 PPT

**Thursday February 13, 2020**

APES: Week 5 Day 113

**Standard**: Ch. 14 Agriculture

**Learning Target**: Demonstrate understanding of agricultural vocabulary by scoring well on a quiz. Discuss agricultural methods while looking over PowerPoint slides.

**Essential Questions:** What are different types of pesticides?

**Agenda:**

1) Vocab Quiz Ch. 14

2) Ch. 14 PPT (to health part)

**Tuesday February 18, 2020**

APES: Week 6 Day 114

**Standard**: Ch. 14 Agriculture

**Learning Target**: Review agricultural related ideas by answering questions and watching video clips, Discuss the environment and human health issues.

**Essential Questions:** What are human health related issues connected to the environment?

**Agenda:**

1) Ch. 14 Review questions

**Wednesday February 19, 2020**

APES: Week 6 Day 115

**Standard**: Ch. 14 Agriculture

**Learning Target**: Review agricultural related ideas by answering questions and watching video clips, Discuss the environment and human health issues.

**Essential Questions:** What are human health related issues connected to the environment?

**Agenda:**

1) Soil Kahoot! #2

2) Graphing practice (corn)

3) Ch. 14 (Health Info)

**Thursday February 20, 2020**

APES: Week 6 Day 116

**Standard**: Ch. 13/Ch. 14

**Learning Target**: Demonstrate understanding of soil and agriculture by scoring well on a test.

**Essential Questions:** Did you study?

**Agenda:**

1) Ch. 13/14 Test

**Friday February 21, 2020**

APES: Week 6 Day 117

**Standard**: Health

**Learning Target**: Understand how infectious diseases can spread through populations through brainstorming, discussing slides and watching video clips.

**Essential Questions:** How are diseases spread?

**Agenda:**

1) Health (End of Ch. 14 PPT)

2) Brainstorm types of water pollution

3) Ch. 15 PPT

**Monday February 24, 2020**

APES: Week 7 Day 118

**Standard**: Health

**Learning Target**: Understand how infectious diseases can spread through populations through brainstorming, discussing slides and watching video clips.

**Essential Questions:** How are diseases spread?

**Agenda:**

1) Return Papers/discuss tests

2) Health (End of Ch. 14 PPT)

**Tuesday February 25, 2020**

APES: Week 7 Day 119

**Standard**: Water

**Learning Target**: Brainstorm types of water pollution and discuss pollution sources and effects and organize information into a grid.

**Essential Questions:** What are common types of water pollution and their effects?

**Agenda:**

1) Brainstorm types of water pollution

2) Ch. 15 PPT (with grid)

**Wednesday February 26, 2020**

APES: Week 7 Day 120

**Standard**: Water

**Learning Target**: Model watersheds and discuss pollution sources and effects and organize information into a grid.

**Essential Questions:** What are watersheds? What are common types of water pollution and their effects?

**Agenda:**

1) Watershed activity

2) Ch. 15 PPT (with grid)

**Thursday February 27, 2020**

APES: Week 7 Day 121

**Standard**: Water

**Learning Target**: Model watersheds and discuss pollution sources and effects and organize information into a grid.

**Essential Questions:** What are common types of water pollution and their effects?

**Agenda:**

1) Brainstorm types of water pollution

2) Ch. 15 PPT

**Friday February 28, 2020**

APES: Week 7 Day 122

**Standard**: Water

**Learning Target**: Demonstrate understanding of water management related vocabulary by scoring well on a quiz. Discuss pollution sources and effects and organize information into a grid.

**Essential Questions:** What are common types of water pollution and their effects?

**Agenda:**

1) Ch. 15 Vocab Quiz

2) Ch. 15 PPT

**Monday March 2, 2020**

APES: Week 8 Day 123

**Standard**: Water

**Learning Target**: Discuss Whitewater field trip and background to water monitoring. Discuss pollution sources and effects and organize information into a grid.

**Essential Questions:** What are common types of water pollution and their effects?

**Agenda:**

1) Whitewater Background info

2) Ch. 15 PPT

**Tuesday March 3, 2020**

APES: Week 8 Day 124

**Standard**: Water

**Learning Target**: Model water pollution and write a story distinguishing between point and nonpoint source pollution to explain the source of the pollution found.

**Essential Questions:** What is the difference between point source and nonpoint source pollution?

**Agenda:**

1) Water Pollution Lab

**Wednesday March 4, 2020**

APES: Week 8 Day 125

**Standard**: Water

**Learning Target**: Organize cut-outs into a tree-map explaining the stages of wastewater treatment. Discuss slides about water management.

**Essential Questions:** What are the different stages of wastewater treatment?

**Agenda:**

1) Wastewater treatment “tree” map

2) Ch. 15 PPT

**Thursday March 5, 2020**

APES: Week 8 Day 126

**Standard**: Water

**Learning Target**: Participate in a Water Kahoot! to practice for the chapter test. Discuss slides about water management.

**Essential Questions:** What are the different stages of wastewater treatment?

**Agenda:**

1) Water Kahoot!

2) Ch. 15 PPT

**Friday March 6, 2020**

APES: Week 8 Day 127

**Standard**: Water

**Learning Target**: Whitewater Field Trip. Collect macroinvertebrates to gauge water quality and complete other water quality testing.

**Essential Questions:** What are the different ways that water quality can be tested?

**Agenda:**

1) Whitewater

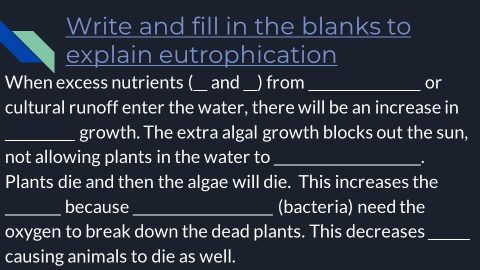
**Monday March 9, 2020**

APES: Week 9 Day 128

**Standard**: Water Management

**Learning Target**: Write a paragraph about eutrophication to practice for the test and answer review questions about water management.

**Essential Questions:** What are different causes and effects of water pollution?

**Agenda:**

1) Eutrophication practice:

2) Ch. 15 Review Questions

**Tuesday March 10, 2020**

APES: Week 9 Day 129

**Standard**: Water Management

**Learning Target**: Answer review questions about water management. Sort different types of air pollution to match sources with descriptions. Correct the pairings using an air pollution review guide.

**Essential Questions:** What are different causes and effects of water pollution?

**Agenda:**

1) Finish Ch. 15 review questions

2) Sort air pollution sources and definitions

3) Correct sorting using a review guide

**Wednesday March 11, 2020**

APES: Week 9 Day 130

**Standard**: Water Management

**Learning Target**: Demonstrate understanding of water management by correctly answering exam questions and writing an explanation of eutrophication.

**Essential Questions:** What are different causes and effects of water pollution?

**Agenda:**

1) Ch. 15 Test